

FIG. 1 (Prior Art)



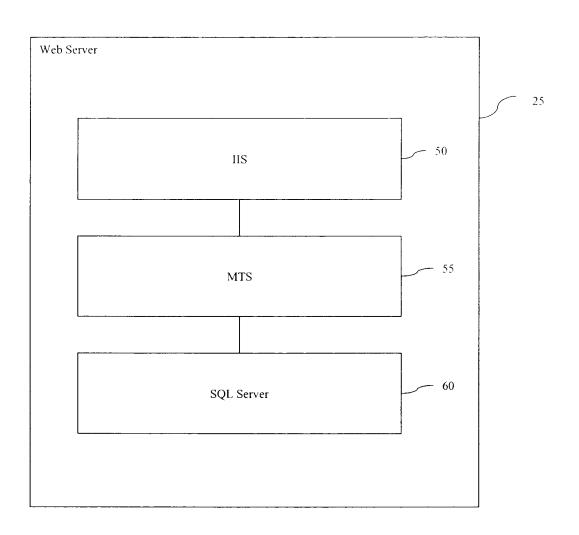


FIG.2 (Prior Art)

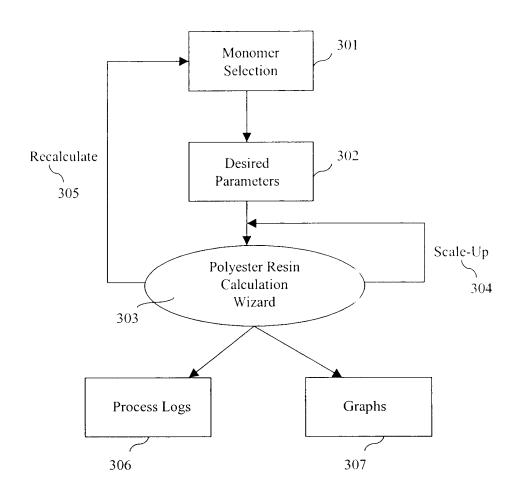


FIGURE 3A



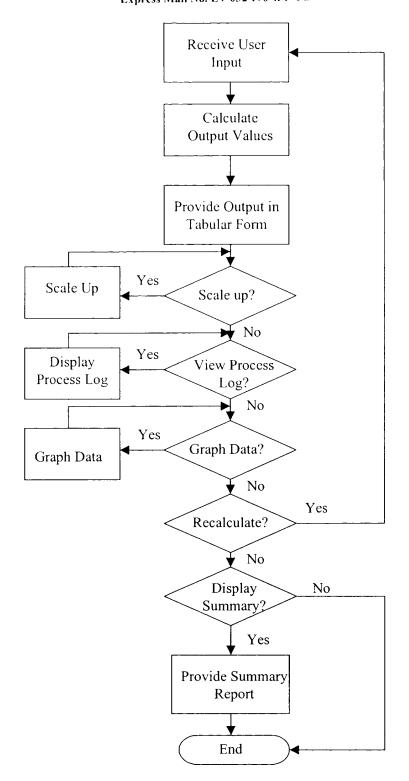


FIGURE 3B



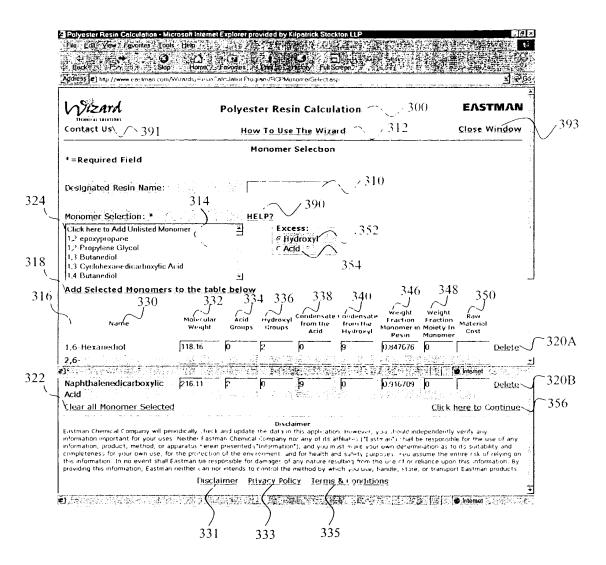


FIGURE 3C



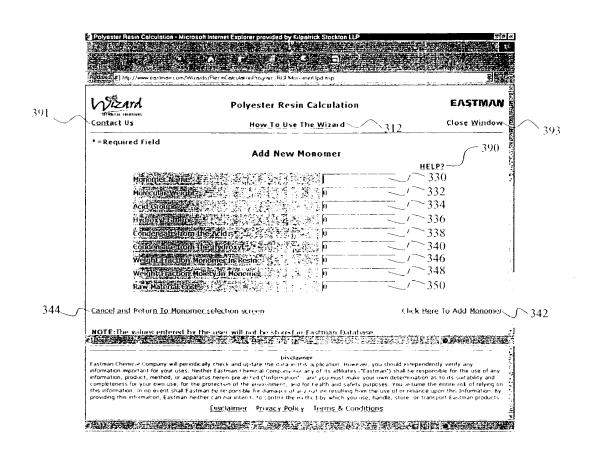


FIGURE 3D



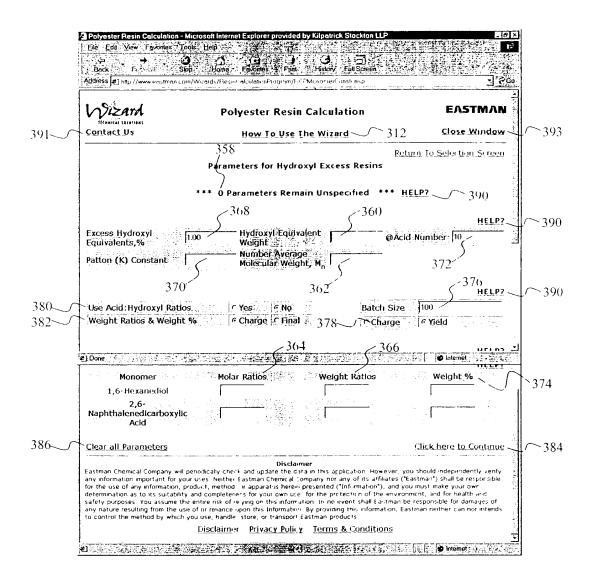


FIGURE 3E



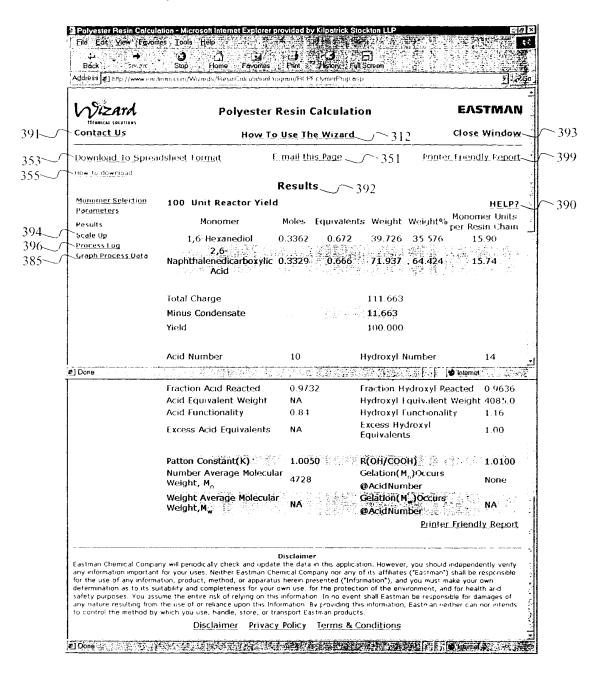


FIGURE 3F

Appln. Ser. No. 10/039,482

Inventors: BASSETT et al.

SOFTWARE ENABLED WIZARDS Express Mail No. EV 032 196 431 US

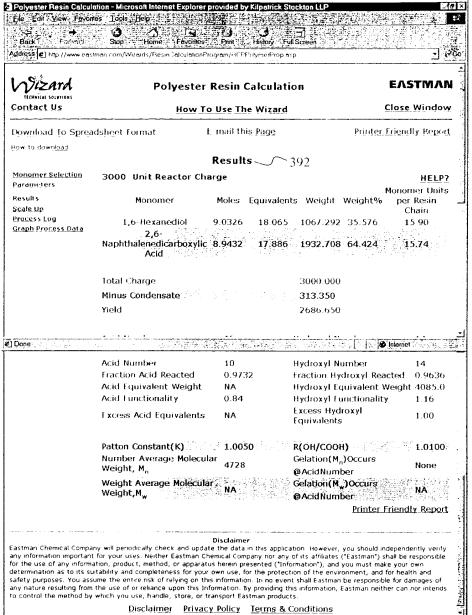


FIGURE 3G



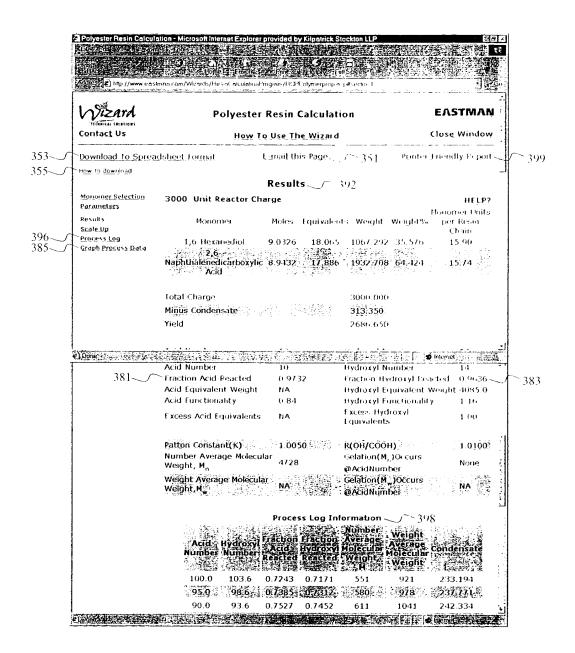


FIGURE 3H





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FIGURE 3I



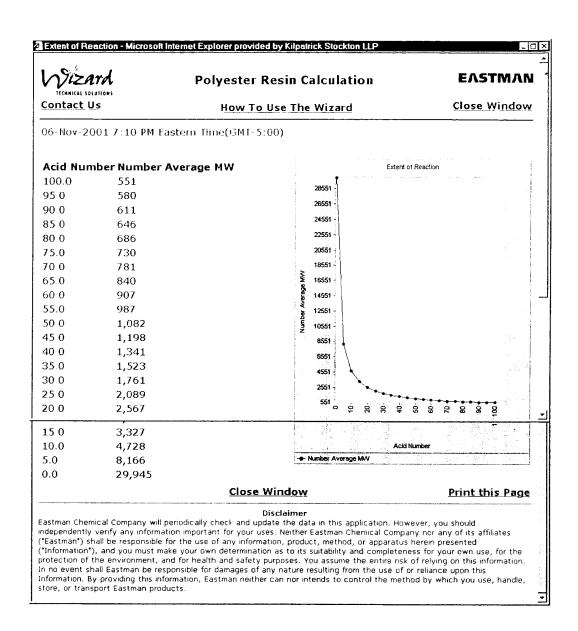


FIGURE 3J

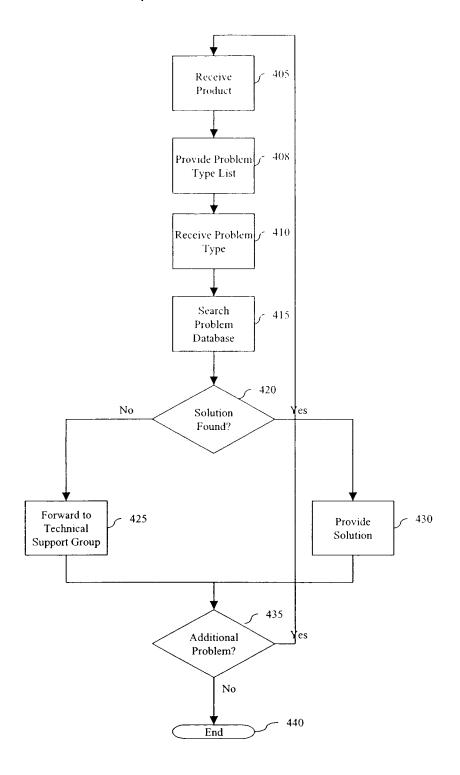
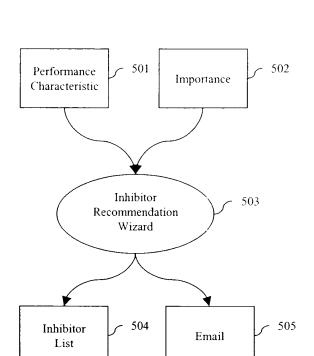
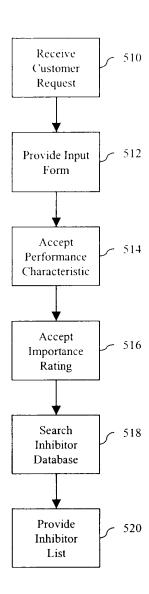


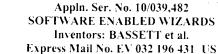
FIG. 4

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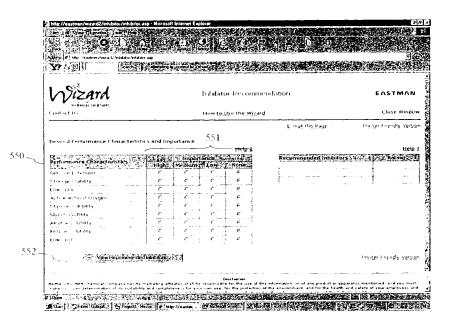


FIG. 5C

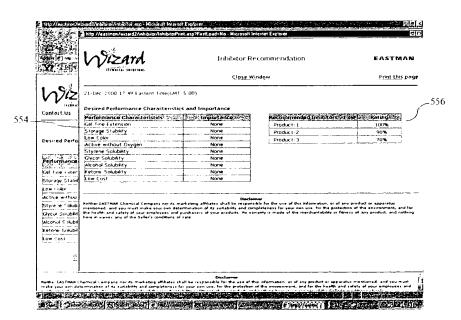
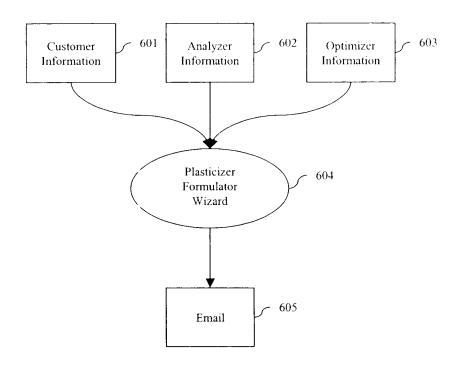
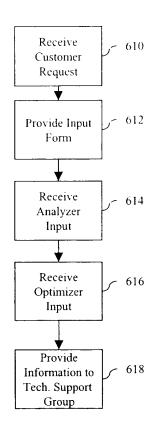


FIG. 5D













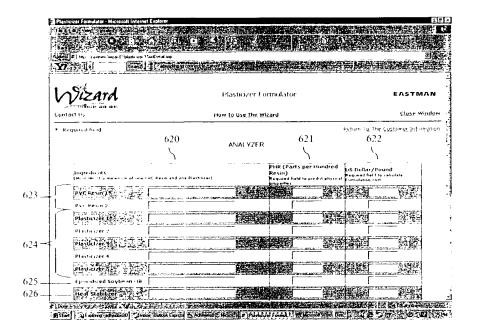


FIG. 6C

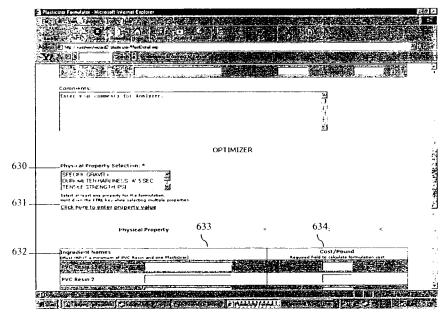


FIG. 6D

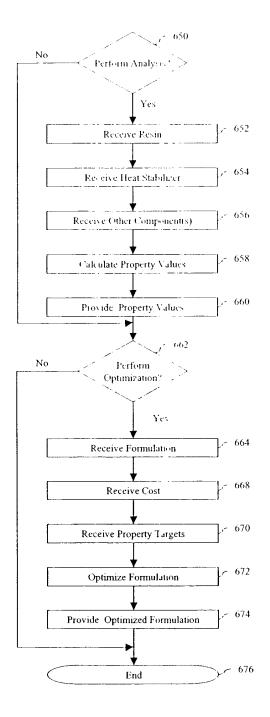


FIG. 6E





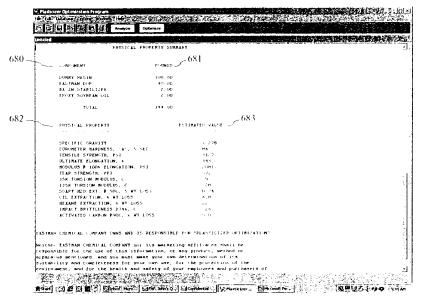


FIG. 6F

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FIG. 6G

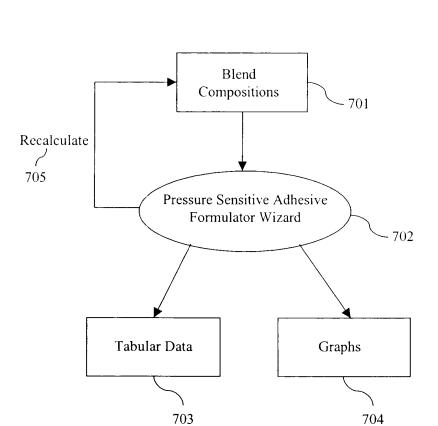


FIGURE 7A



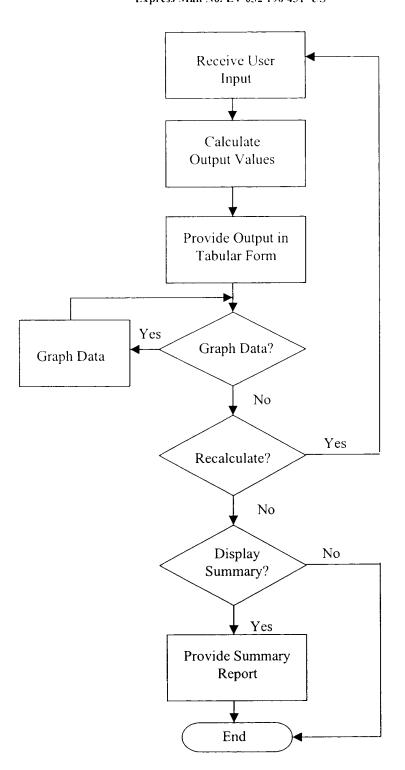


FIGURE 7B



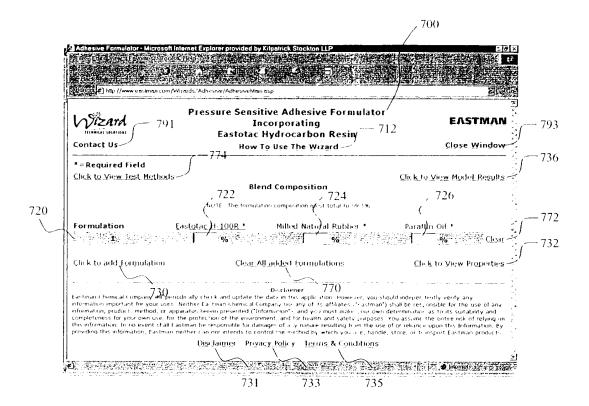


FIGURE 7C



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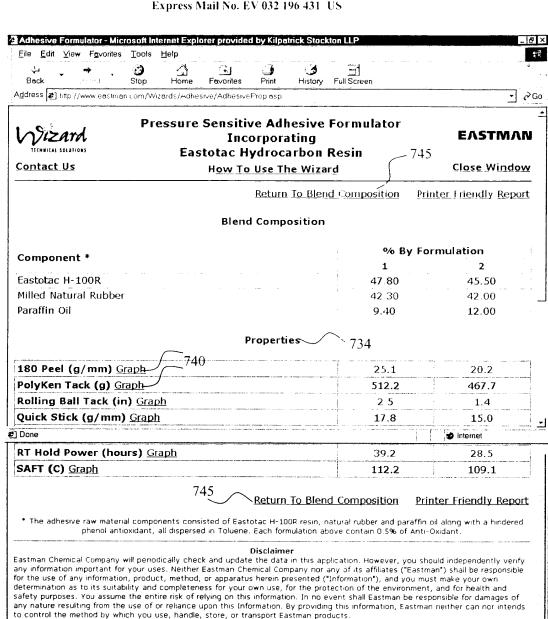
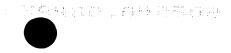


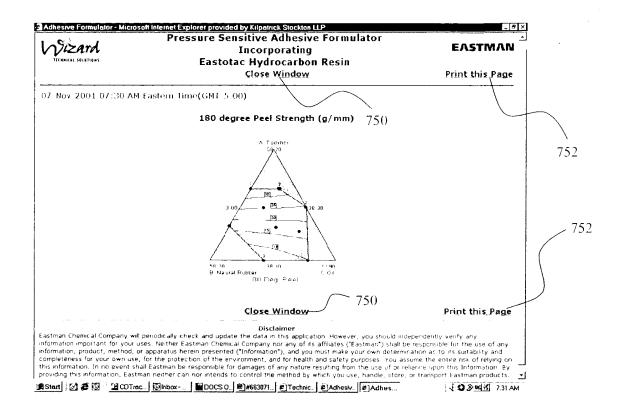
FIGURE 7D

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### FIGURE 7E





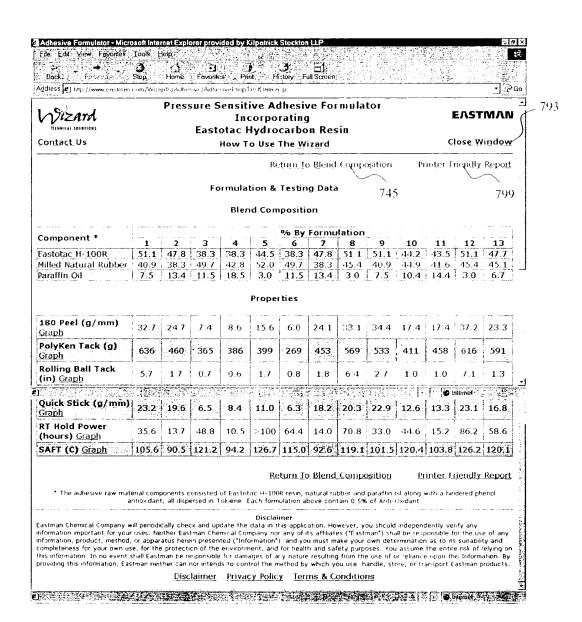


FIGURE 7F



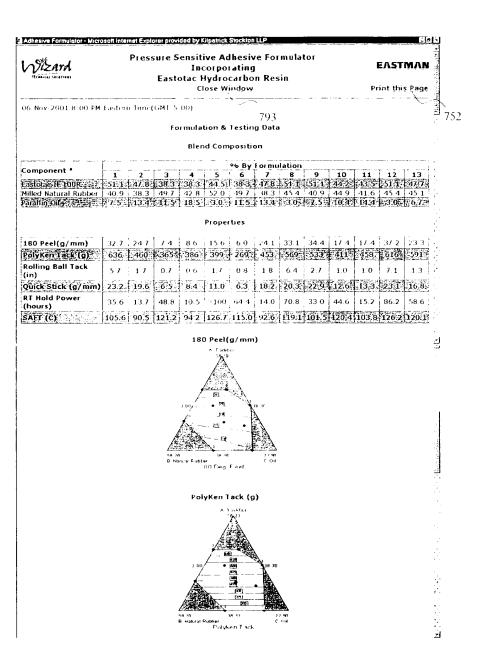
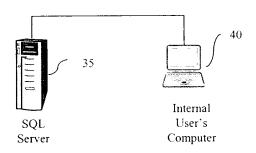
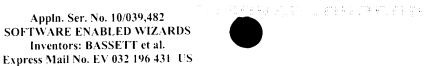


FIGURE 7G

Ser. No. 10/039,482





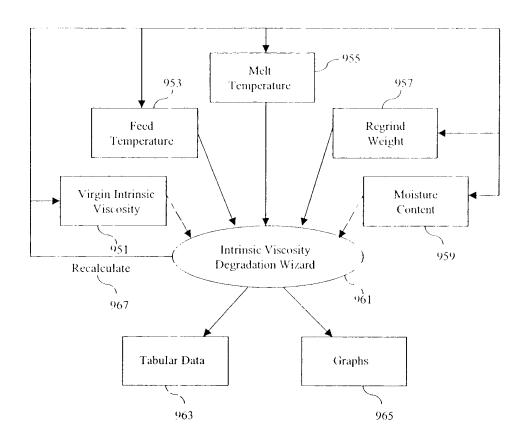


FIGURE 9A

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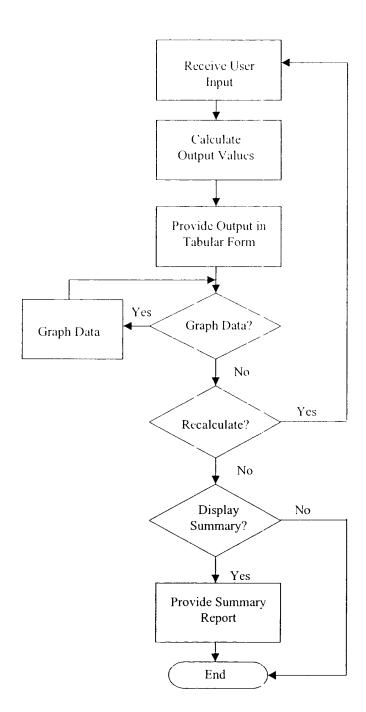


FIGURE 9B



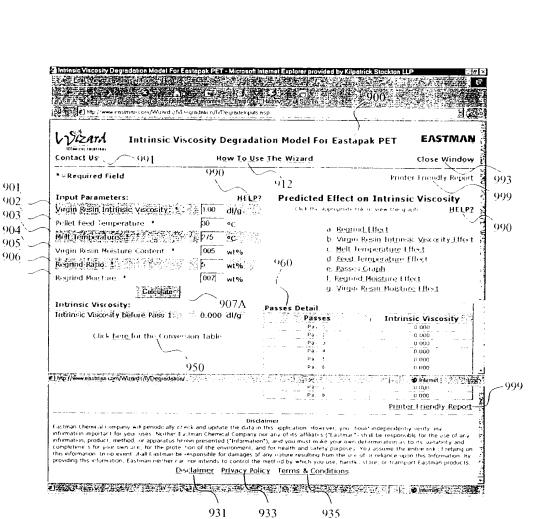


FIGURE 9C

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FIGURE 9D

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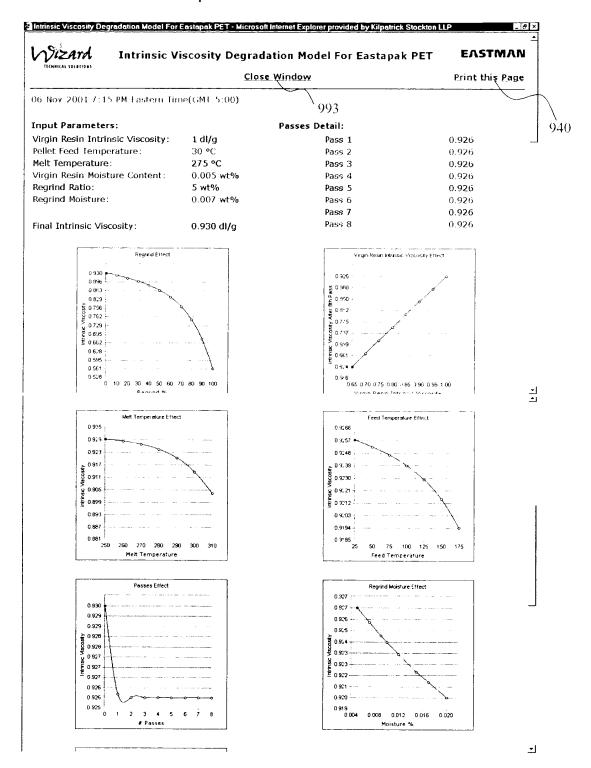


FIGURE 9E

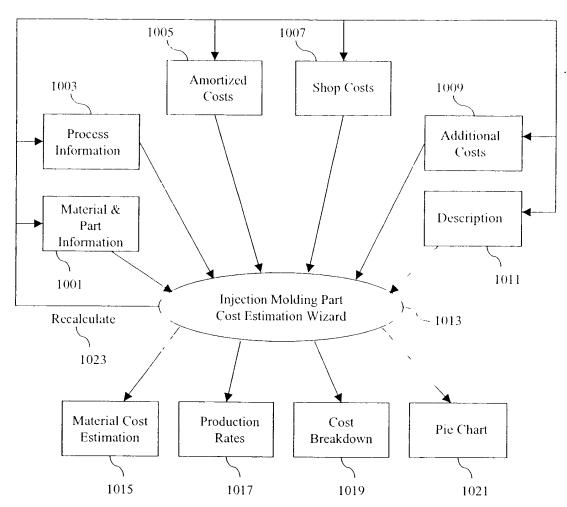


FIGURE 10A

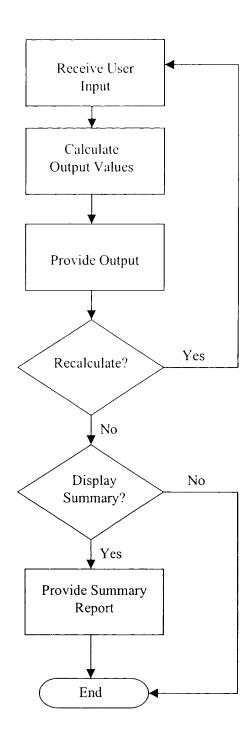
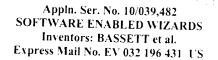


FIGURE 10B



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FIGURE 10C





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formation important for your uses. Neither Eastman Chemical Company nor any of its affliates formation, product, method, or apparatus herein presented ("Information"), and you must make purpleteness for your own use, for the protection of the environment, and for health and safeting information. In no event shall Eastman be responsible for damages of any nature resulting froviding this information, Eastman neither can nor intends to control the method by which you	("Fastman") shall be responsible for the e your own determination as to its suit, y purposes. You assume the entire risk com the use of or reliance upon this loft	e use of any ability and of relying on ormation, by
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FIGURE 10D



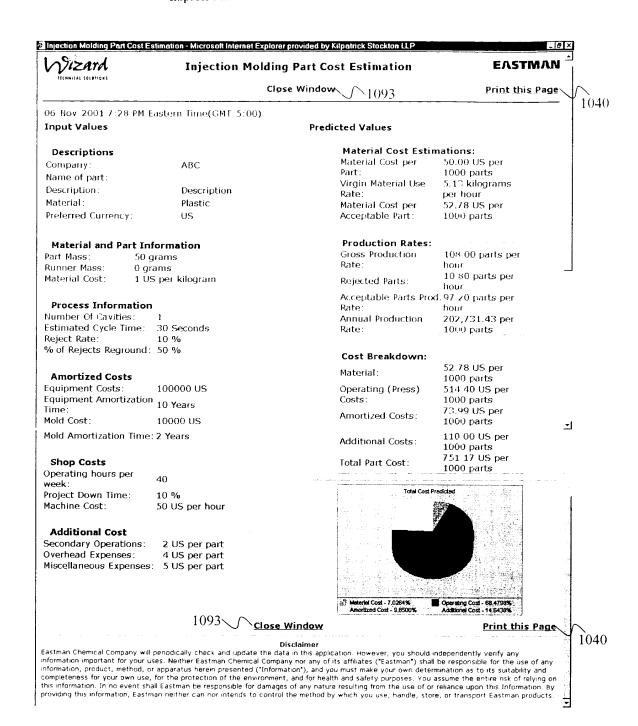


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Process Informatio		Cost Breakdown:		
Number Of Cavities: *	1		HELP?	
Estimated Cycle Time: *	30 Seconds	Material:	52.78 US per 1000 parts	
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FIGURE 10E

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## FIGURE 10F

Appln. Ser. No. 10/039,482 SOFTWARE ENABLED WIZARDS Inventors: BASSETT et al. 199 90 90 90 00 00 66 00 90 90 90

Inventors: BASSETT et al. Express Mail No. EV 032 196 431 US

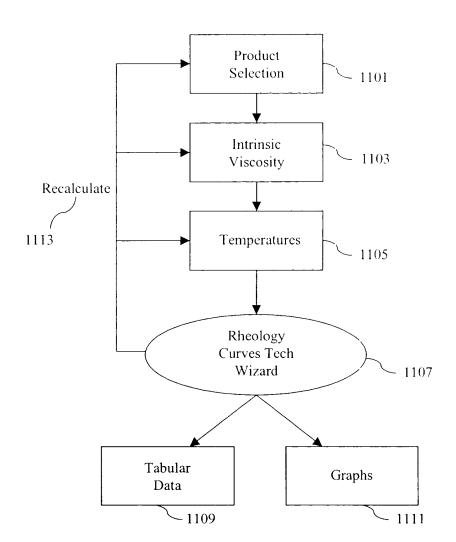


FIGURE 11A

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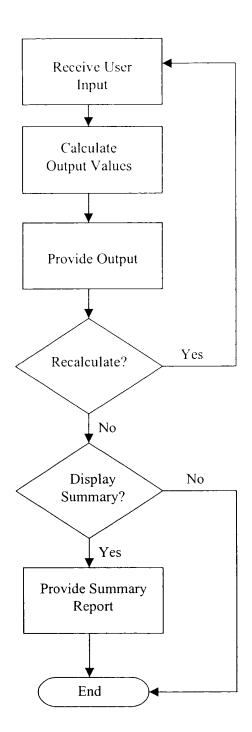


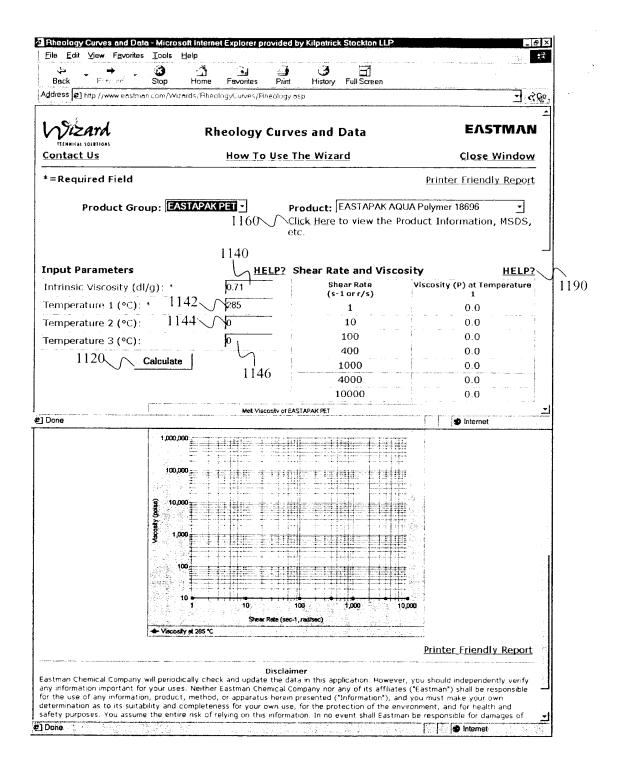
FIGURE 11B



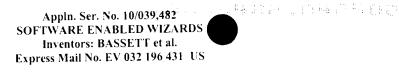
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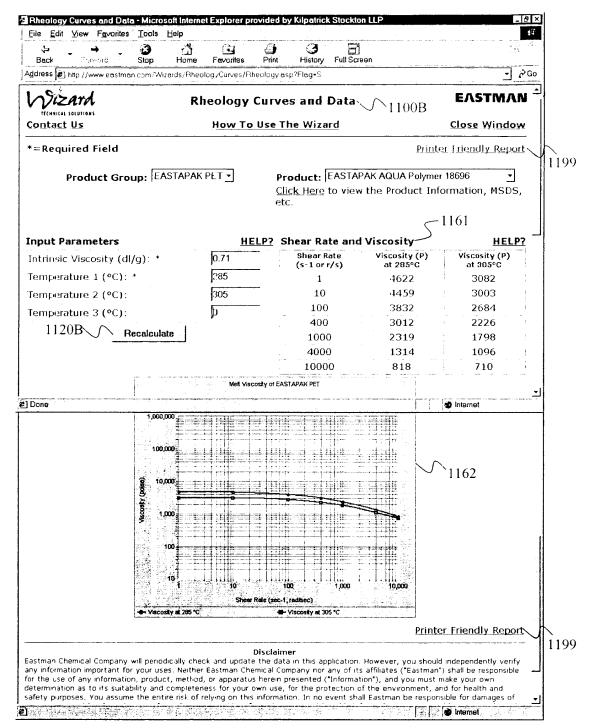
FIGURE 11C





# FIGURE 11D





## FIGURE 11E



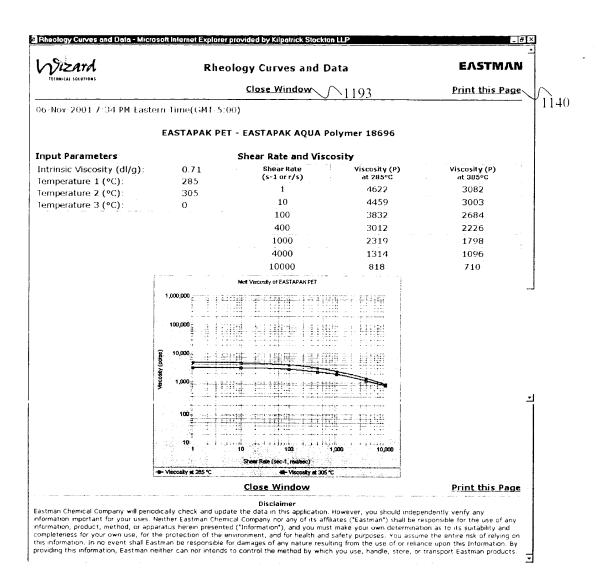


FIGURE 11F

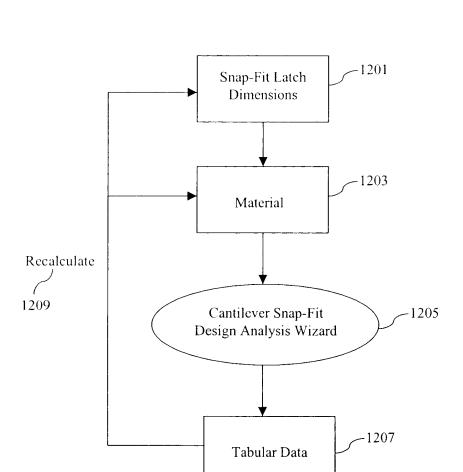


FIGURE 12A

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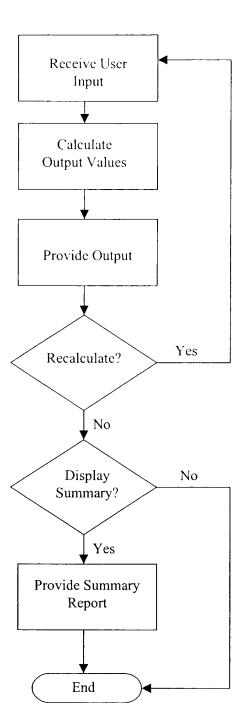


FIGURE 12B

Appln. Ser. No. 10/039,482 SOFTWARE ENABLED WIZARDS Inventors: BASSETT et al.

Express Mail No. EV 032 196 431 US

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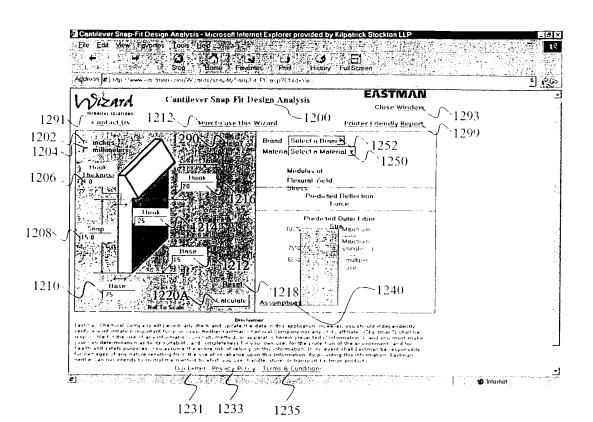
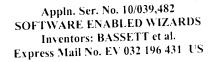


FIGURE 12C





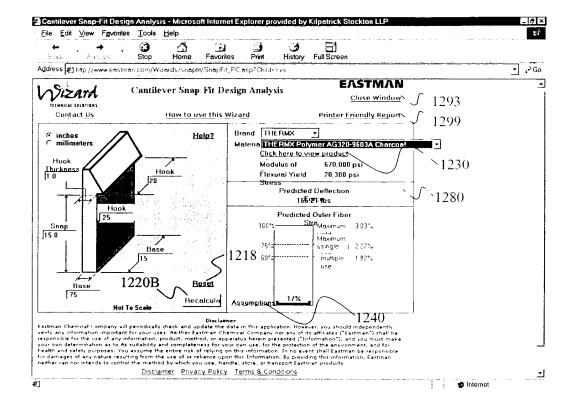
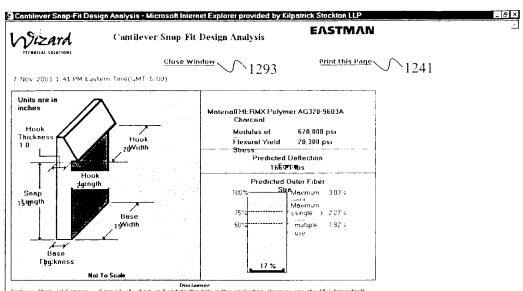


FIGURE 12D

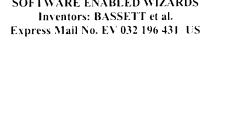


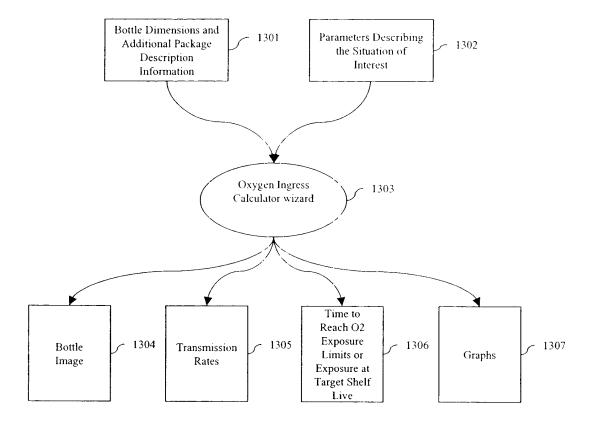


Eastman Chemical Company will periodically check and update the data in this application. However, you should independently verify any information important for your uses. Neither Eastman Chemical Company nor any of its attiliates ("Eastman") shall be responsible for the use of any information, product, method, or apparatus herein presented ("Information"), and you must make your own determination as to its suitability and completeness for you over use, for the protection of the environment, and for health and safety purposes. You assume the entire risk of relying on this information. In no event shall Eastman be responsible for damages of any nature resulting from the use of or relance upon this Information. By providing this information, Eastman neither ran nor intends to control the method by which you use, handle, store, or bansport Eastman products.

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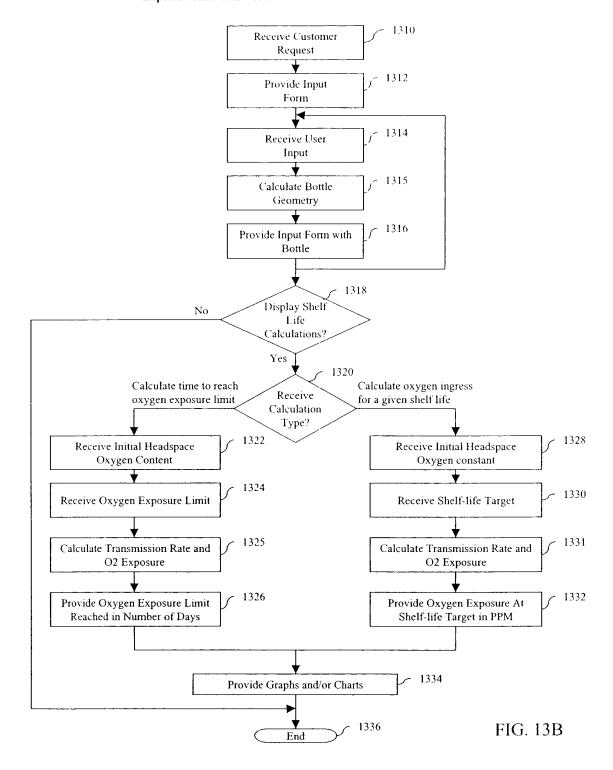
## FIGURE 12E





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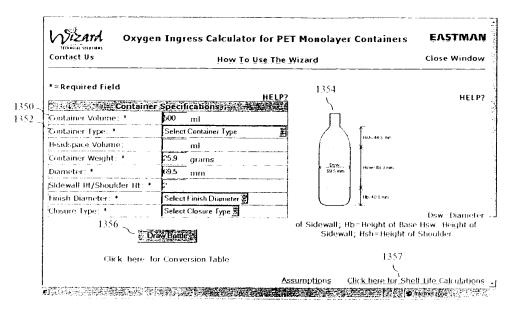
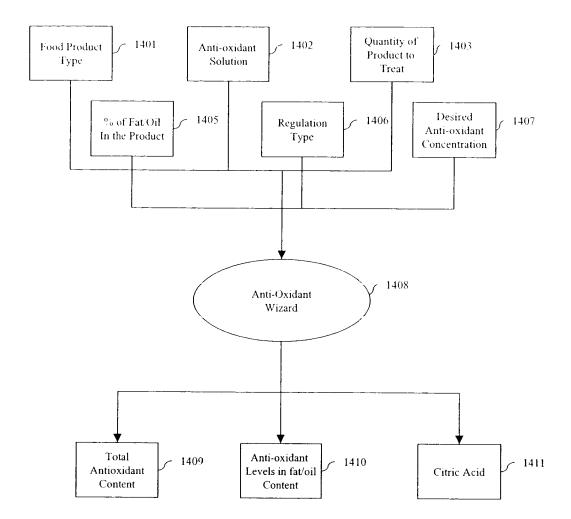


FIG. 13C

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Input Parameters Initial Head Space Oxygen Content: *	HELP?	
Oxygen Exposure Limit:	15 ppm	
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FIG. 13D

0. 10/039,482 BLED WIZARDS SSETT et al. V 032 196 431 US



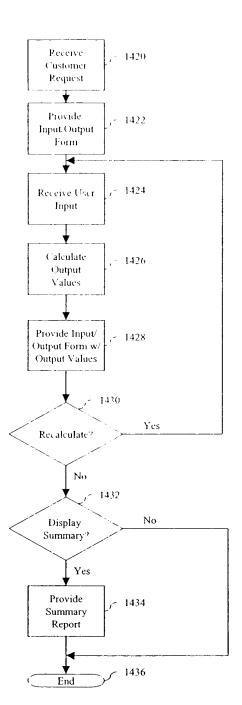
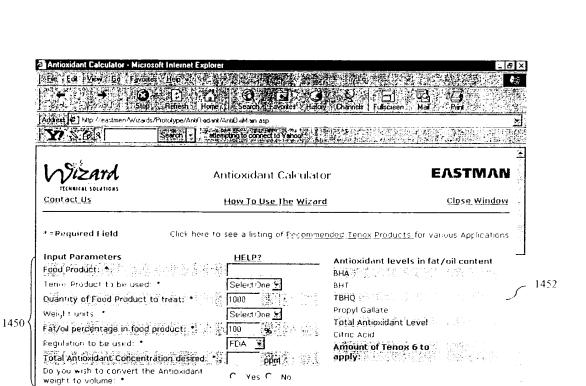


FIG. 14B

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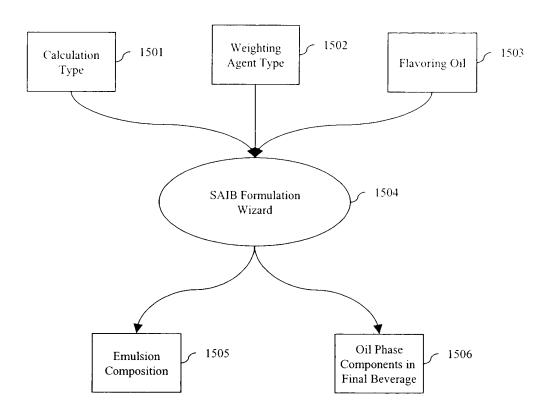
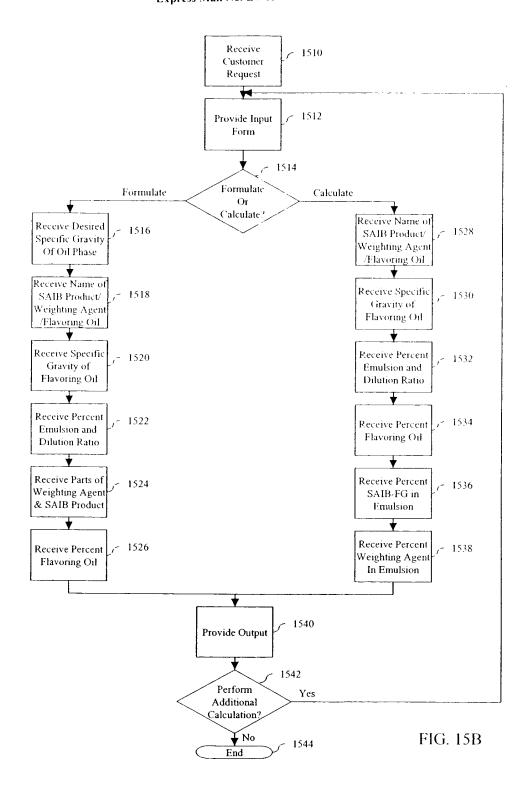
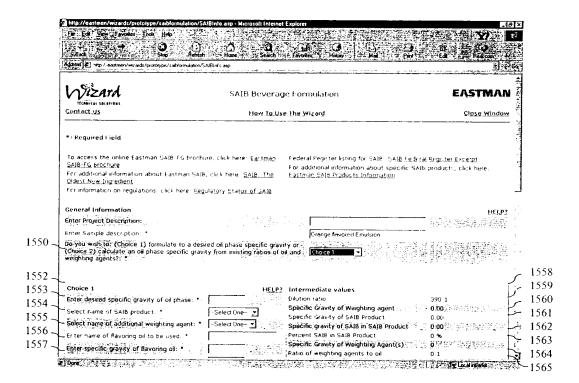


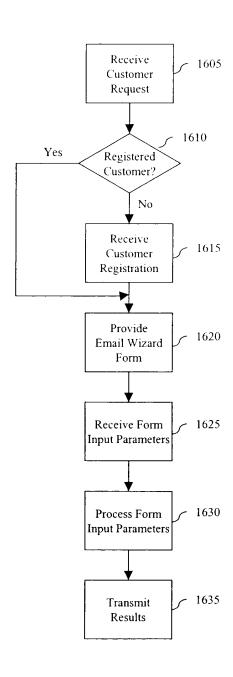
FIG. 15A

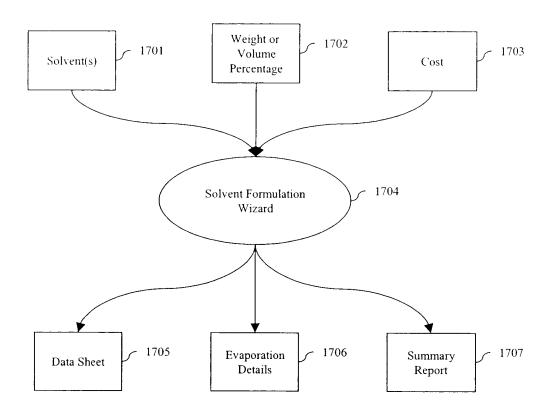






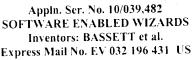






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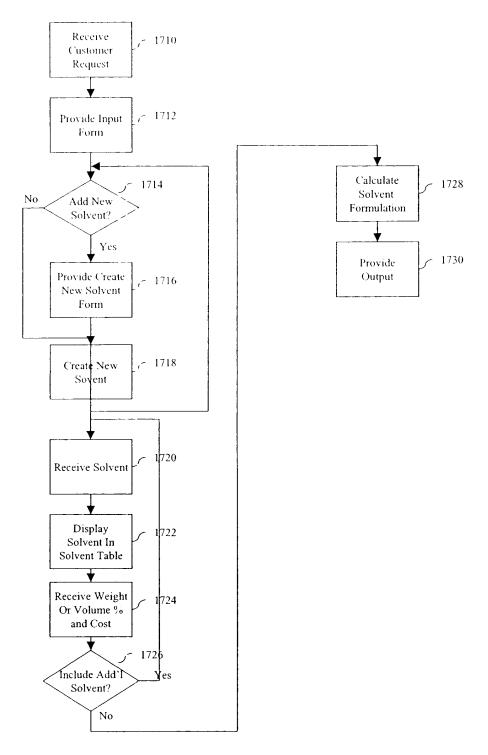
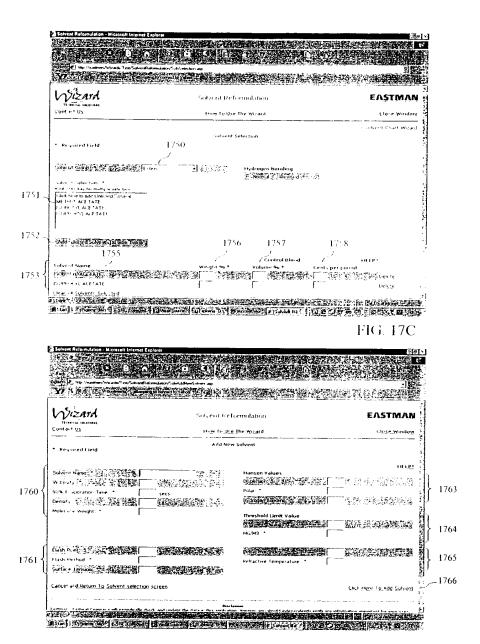


FIG. 17B



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**FIG. 17D** 



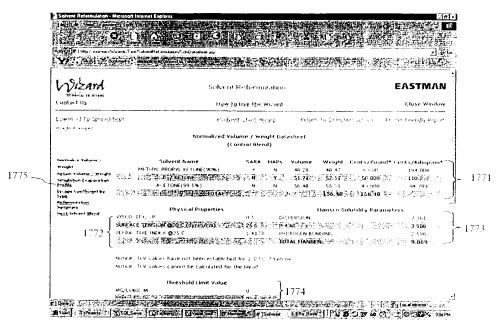


FIG. 17E

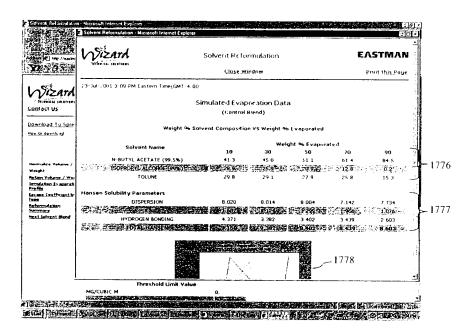
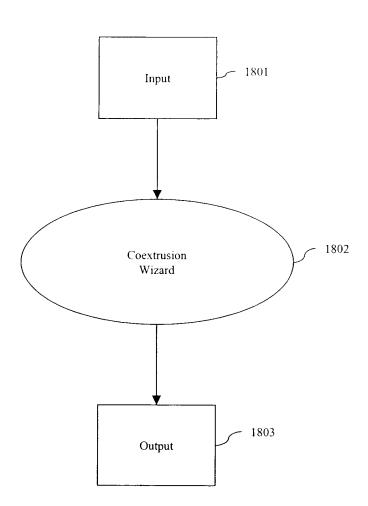
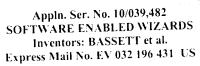


FIG. 17F







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	Selection Criteria ct 'All' for each criteria and click Create  Report. Flash Point: CAll CNOn-Flash (>=60.5°C (141°F))	
	@flash (<60.5°C (141°F))	
Evaporation Rate:  ∩ All		
Nitrocellulose Solubility:  © All	HAPS: ← All ← <u>Eastman non-HAPs</u>	
Sort By: © Name ○ Flash Point ○ Evaporation Rate	Chemical Grade	
Create Report Reset	.Criteria Return to e-Solvent Home Page	<b>-</b> 1

FIG. 19A



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•1

Sort By: ← Name ← Flash Point

← Evaporation Rate

#### **Solvents Report**

Selection Criteria: Sorted By Name, Supplier = Eastman, Flash Point = Flash (<60.5°C (141° F)), Evap Rate = Fast (>=3.0), Water = All, Nitrocelliuse = All, HAPS = All, Chemicial Grade = All

Solvent	Eastman Product?	Evaporation Rate, nBuOAc = 1	Flash Point
EASIMAN Acetone, High Purity Sales Grade	Yes	6.3	20°C (~4°F)
EASTAPURE Ethyl Acetate	Yes	4.1	-4°C (24°F)
EASTMAN Ethyl Acetate,85- 88%	Yes	4.2	-3°C (27°F)
EASTMAN Ethyl Acetate, Urethane Grade	Yes	4.1	-4°C (24°F)
EASTMAN Isopropyl Acetate	Yes	3	2°C (35°F)
EASTMAN Methyl Acetate	Yes	6.0	-13°C (9°F)
EASTMAN Methyl Acetate	Yes	6.0	-15°C (9°F)
EASTMAN Methyl Acetate	Yes	6.0	-13°C (5°F)
EASTMAN Methyl Acetate	Yes	6.0	-15°C (5°F)

Return to Selection Page

Printer Friendly Report

FIG. 19B

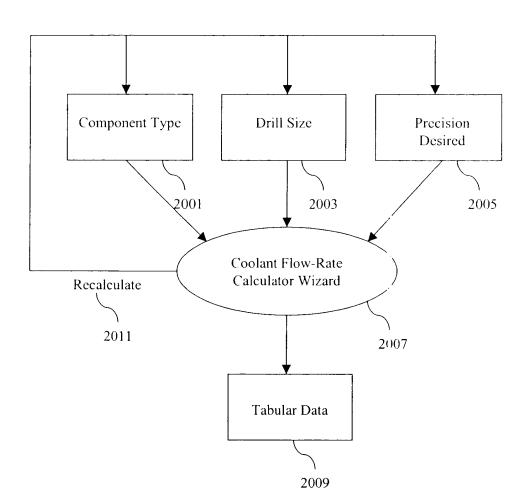


FIGURE 20A

Inventors: BASSETT et al. Express Mail No. EV 032 196 431 US

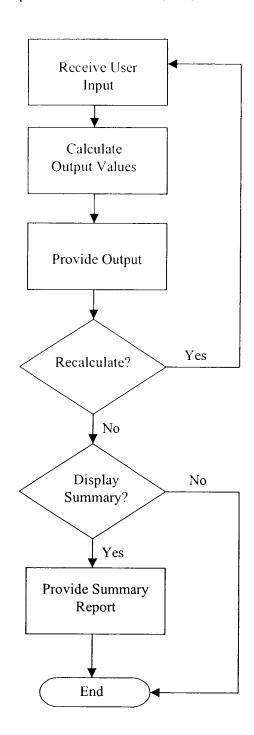


FIGURE 20B





Address   http://www.eastman	.com/Wizards/flowrate/FlowRateFC asp
Wizard HICHMICAL SOLUTIONS	Coolant Flow Rate Calculator 12000 Close Window
√Contact Us	How to use this Wizard $\sqrt{12}$
Select the desired o	omponent calculation: channel, baffle, or bubbler
r	
-	Select Pipe (Drill)   202()
^ Baffles	Select (Drill) $2040$
₾ Bubblers	Select OD/ID (Drill) \(\sigma\) \(\sigma\) \(2060)
Precision (Significant Digits)	2014
Calculate Minimum	water flow rate to achieve turbulent flow
information important for your information, product, method, completeness for your own use this information. In no event sl	Disclaimer  Ill periodically check and update the data in this application. However, you should independently verify any uses. Neither Eastman Chemical company nor any of its affiliate: "Eastman") shall be responsible for the use of any or apparatus herein presented ("information"), and you must make your own determination as to its suitability and e, for the protection of the environment, and for health and safety purpose. You assume the entire has of relying or half Eastman be responsible for damages of any nature resulting from the use of or reliance upon this Information. By man mether can nor intends to control the method by which you work handle, store, or transput Eastman products.
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FIGURE 20C



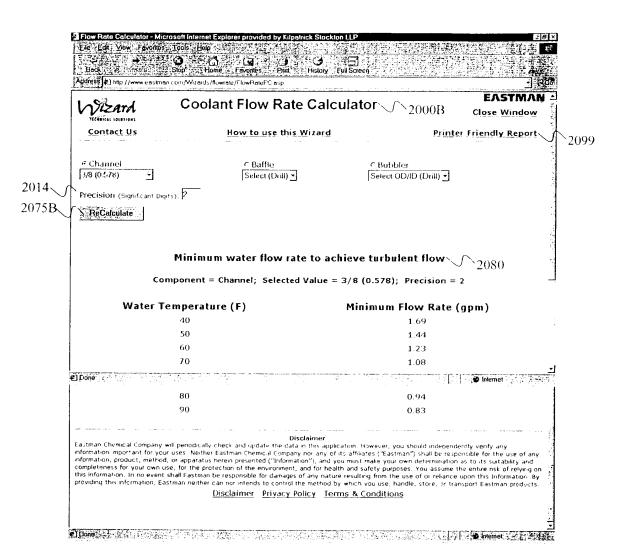


FIGURE 20D





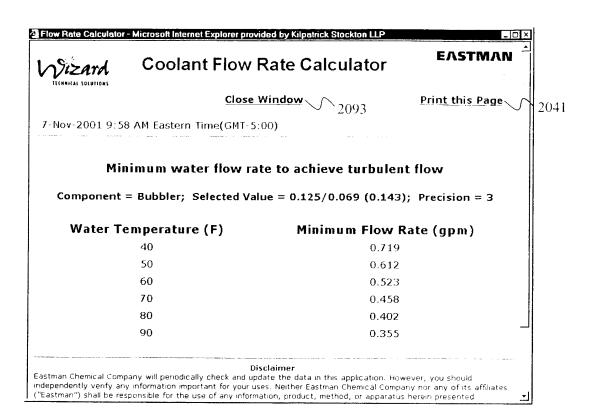


FIGURE 20E